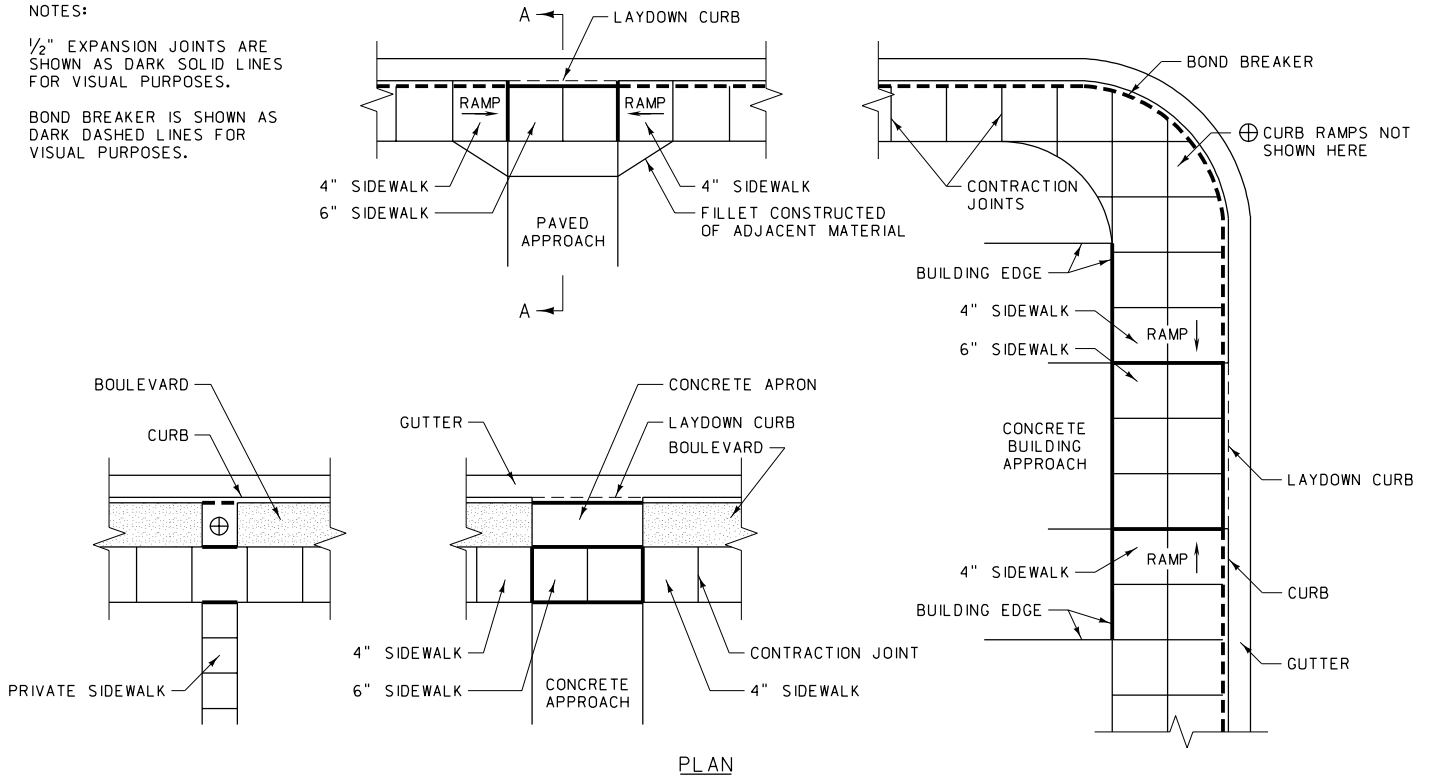


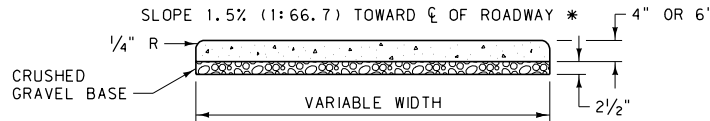
NOTES:

1/2" EXPANSION JOINTS ARE SHOWN AS DARK SOLID LINES FOR VISUAL PURPOSES.

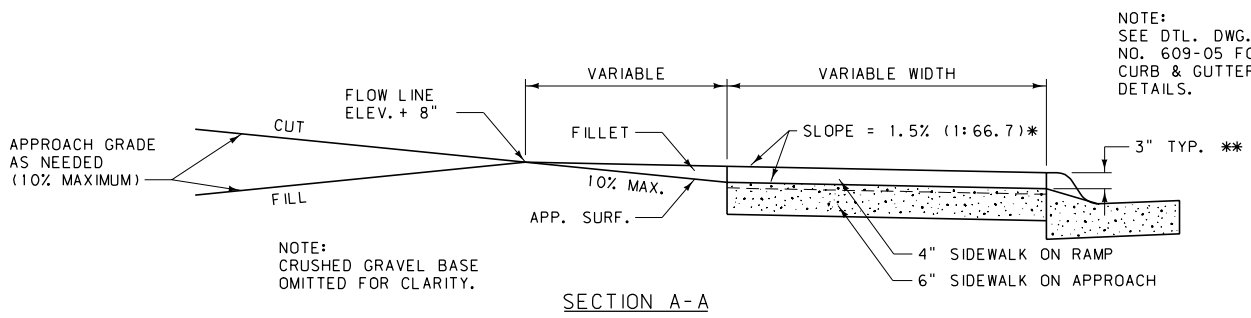
BOND BREAKER IS SHOWN AS DARK DASHED LINES FOR VISUAL PURPOSES.



PLAN



SECTION OF SIDEWALK



SECTION A-A

NOTE:  
SEE DTL. DWG.  
NO. 609-05 FOR  
CURB & GUTTER  
DETAILS.

NOTES:

INSTALL PREFORMED EXPANSION JOINT FILLER, STD. SPEC. 707.01.3, AT ALL EXPANSION JOINTS, FOR THE FULL THICKNESS OF THE SIDEWALK AND USE AT ALL JOINTS BETWEEN NEW CONCRETE SIDEWALK AND STRUCTURES IN PLACE.

INSTALL A BOND BREAKER FOR THE FULL THICKNESS OF THE SIDEWALK AT LOCATIONS SPECIFIED ON THIS DETAIL. USE A 15 OR 30 POUND ROOFING FELT MATERIAL, OR OTHER PRODUCT AS APPROVED BY THE ENGINEER, FOR THE BOND BREAKER. DO NOT USE EXPANSION JOINT MATERIAL AS A BOND BREAKER.

ALL JOINTS MUST BE STRAIGHT AND PERPENDICULAR TO THE CENTERLINE AND THE SURFACE OF THE SIDEWALK. WHERE PRACTICAL, ALIGN ALL JOINTS WITH LIKE JOINTS IN ADJOINING WORK. USE JOINTS TO OUTLINE ALL PANELS IN THE SIDEWALK, WHICH ARE TO BE, SO FAR AS POSSIBLE, SQUARE. THE LENGTHS OF THE PANELS ARE DETERMINED BY THE WIDTH OF THE SIDEWALK.

WHERE RIGHT-OF-WAY PERMITS, NEW SIDEWALKS LESS THAN 5 FEET IN WIDTH MUST HAVE A PASSING AREA AT A MAXIMUM SPACING OF 200 FEET. THE PASSING AREA IS A MINIMUM OF 5 FEET BY 5 FEET IN SIZE.

CONTRACTION JOINTS MAY NOT BE MORE THAN 1/8" WIDE AND NOT LESS THAN 1" IN DEPTH AND MAY BE CUT BY A GROOVE FORMING TOOL.


LOCATE EXPANSION JOINTS EVERY 100 FEET ( $\pm$  30 FEET) AT INTERVALS EQUAL TO THE NEAREST MULTIPLE OF THE CONTRACTION JOINT INTERVAL.

USE A LONGITUDINAL CONTRACTION JOINT IN THE CENTERLINE OF ALL SIDEWALKS WIDER THAN 5 FEET.

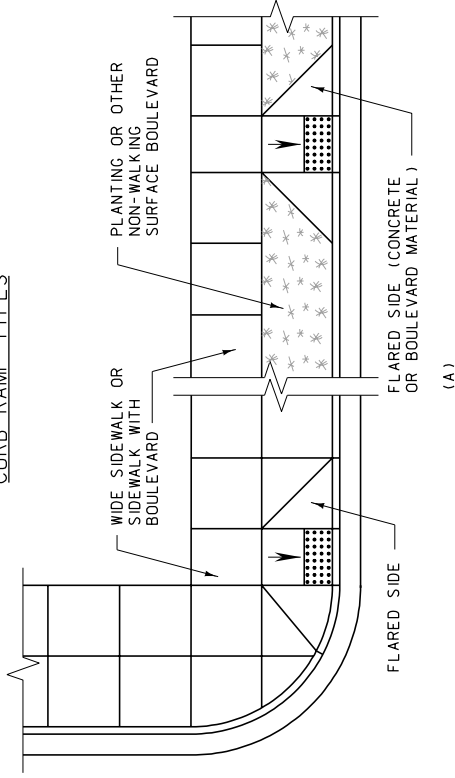
\* THE MAXIMUM CROSS SLOPE OF THE SIDEWALK IS 2% (1:50).

\*\* THIS DEPTH IS STANDARD IN NEW CONSTRUCTION. ALTERATIONS TO EXISTING FACILITIES MAY RESULT IN A LARGER DEPTH, WHICH WILL REQUIRE A GREATER RAMP LENGTH.

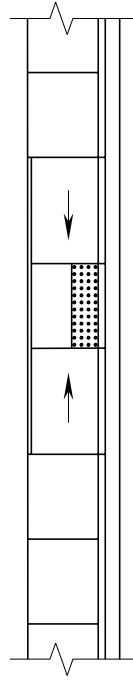
⊕ SEE DTL. DWG. NO. 608-15 AND 608-20 FOR GUIDELINES ON RAMP DESIGN WHEN RAMPs ARE REQUIRED FOR ADA ACCESSIBILITY.

DETAILED DRAWING	
REFERENCE STANDARD SPEC. SECTION 608	DWG. NO. 608-05
CONCRETE SIDEWALK	
EFFECTIVE: FEBRUARY 2005	
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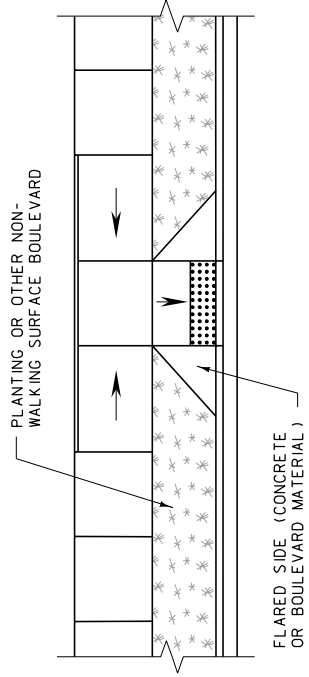
## CURB RAMP TYPES



PERPENDICULAR PUBLIC SIDEWALK CURB RAMP  
(SEE DETAILED DRAWING NUMBER 608-25 FOR  
ADDITIONAL DETAILS)



PARALLEL PUBLIC SIDEWALK CURB RAMP  
(SEE DETAILED DRAWING NUMBER 608-30  
FOR ADDITIONAL DETAILS)



COMBINED (PARALLEL/PERPENDICULAR) PUBLIC  
SIDEWALK CURB RAMP (SEE DETAILED DRAWING  
NUMBERS 608-25 AND 608-30 FOR ADDITIONAL  
DETAILS)

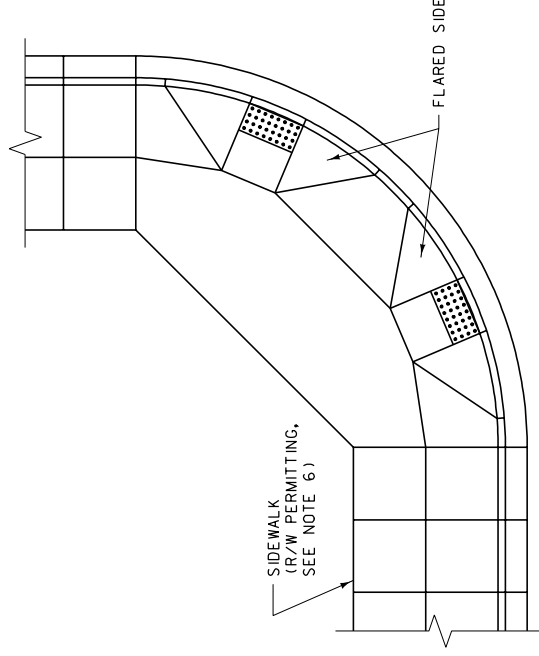
### GENERAL NOTES:

1. IN NEW CONSTRUCTION, USE PUBLIC SIDEWALK CURB RAMPS IN THE FOLLOWING ORDER OF PREFERENCE:
  - A. PERPENDICULAR PUBLIC SIDEWALK CURB RAMP.
  - B. PARALLEL PUBLIC SIDEWALK CURB RAMP.
  - C. COMBINED (PARALLEL/PERPENDICULAR) PUBLIC SIDEWALK CURB RAMP.
  - D. DIAGONAL PERPENDICULAR PUBLIC SIDEWALK CURB RAMP.
2. SINGLE DIAGONAL OR DEPRESSED CORNER PUBLIC SIDEWALK CURB RAMPS SERVING TWO STREET CROSSING DIRECTIONS ARE NOT PERMITTED IN NEW CONSTRUCTION.
3. WHEN ALTERING EXISTING FACILITIES, MEET NEW CONSTRUCTION REQUIREMENTS FOR PUBLIC SIDEWALK CURB RAMPS TO THE MAXIMUM EXTENT FEASIBLE.
4. IF POSSIBLE, DO NOT PLACE DRAINAGE STRUCTURES IN CONFLICT WITH PUBLIC SIDEWALK CURB RAMPS. LOCATION OF CURB RAMPS TAKES PRECEDENCE OVER LOCATION OF DRAINAGE STRUCTURES EXCEPT WHERE EXISTING DRAINAGE STRUCTURES ARE BEING UTILIZED.
5. USE THE FLATTEST SLOPES POSSIBLE FOR ALL CURB RAMPS. MAXIMUM SLOPES ARE SHOWN FOR GUIDANCE AT DIFFICULT SITES.
6. FINAL FIELD LOCATION OF THE CURB RAMPS WILL BE DETERMINED BY THE ENGINEER.
7. IF R/W DOES NOT PERMIT LANDINGS FOR THESE RAMPS, USE ANOTHER RAMP DESIGN.
8. PEDESTRIAN ACCESS POINTS AT CROSSWALK LINES, TO BE WHOLLY CONTAINED WITHIN THE CROSSWALK LINES. FOR ADDITIONAL INFORMATION CONSULT:

APPENDIX IV  
AMERICANS WITH DISABILITIES ACT (ADA)  
ACCESSIBILITY GUIDELINES FOR BUILDINGS AND  
FACILITIES  
AUGUST 1994 EDITION

### CONSTRUCTION REQUIREMENTS:

1. OBTAIN A SURFACE TEXTURE ON THE RAMP BY COARSE BROOMING, TRANSVERSE TO THE RAMP SLOPE.
2. TAKE CARE DURING CONSTRUCTION TO ASSURE UNIFORM RAMP GRADES, FREE OF SAGS AND SHARP GRADE CHANGES.



DIAGONAL PERPENDICULAR PUBLIC SIDEWALK  
CURB RAMP (SEE DETAILED DRAWING NUMBER  
608-35 FOR ADDITIONAL DETAILS)

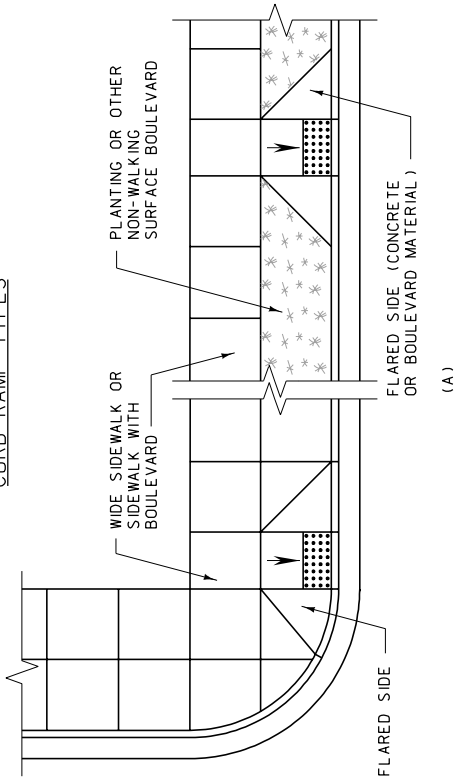
DETAILED DRAWING  
REFERENCE DWG. NO.  
STANDARD SPEC. 608-15  
SECTION 608

NEW CONSTRUCTION  
PUBLIC SIDEWALK  
CURB RAMPS

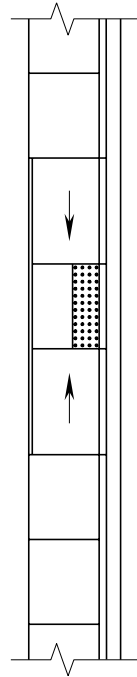
EFFECTIVE: FEBRUARY 2005

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**OF TRANSPORTATION**

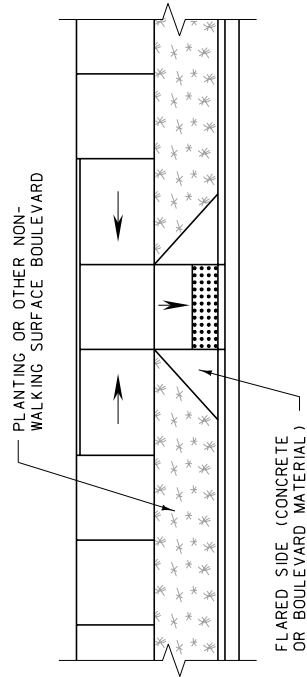
## CURB RAMP TYPES



PERPENDICULAR PUBLIC SIDEWALK CURB RAMP  
(SEE DETAILED DRAWING NUMBER 608-25 FOR  
ADDITIONAL DETAILS)

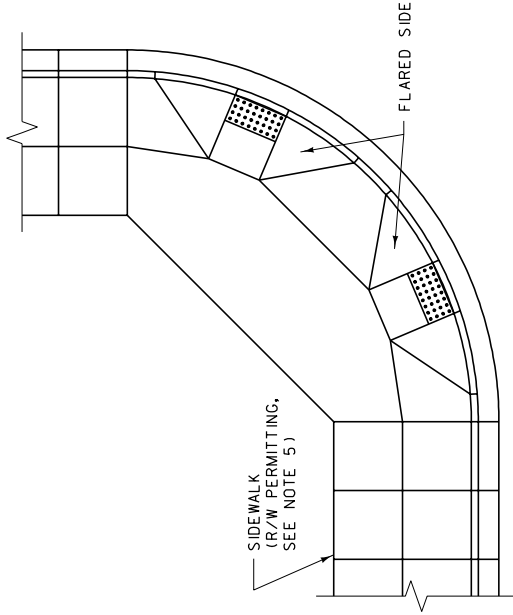


PARALLEL PUBLIC SIDEWALK CURB RAMP  
(SEE DETAILED DRAWING NUMBER 608-30  
FOR ADDITIONAL DETAILS)

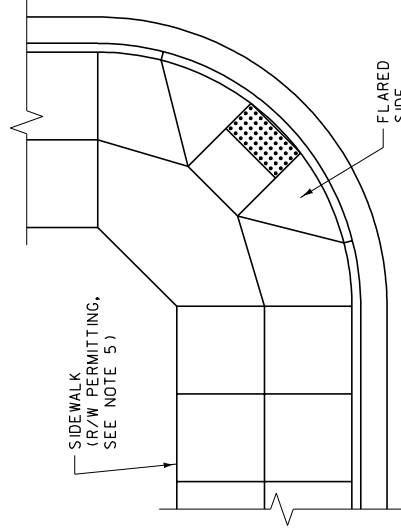


COMBINED (PARALLEL/PERPENDICULAR) PUBLIC  
SIDEWALK CURB RAMP (SEE DETAILED DRAWING  
NUMBERS 608-25 AND 608-30 FOR ADDITIONAL  
DETAILS)

## CURB RAMP TYPES



DIAGONAL PERPENDICULAR PUBLIC SIDEWALK  
CURB RAMP (SEE DETAILED DRAWING NUMBER  
608-35 FOR ADDITIONAL DETAILS)



SINGLE DIAGONAL PERPENDICULAR PUBLIC  
SIDEWALK CURB RAMP (SEE DETAILED DRAWING  
NUMBER 608-35 FOR ADDITIONAL DETAILS)

## GENERAL NOTES:

1. WHEN ALTERING EXISTING FACILITIES,  
USE PUBLIC SIDEWALK CURB RAMP IN  
THE FOLLOWING ORDER OF PREFERENCE:

- PERPENDICULAR PUBLIC SIDEWALK  
CURB RAMP
- PARALLEL PUBLIC SIDEWALK CURB  
RAMP
- COMBINED (PARALLEL/PERPENDICULAR)  
PUBLIC SIDEWALK CURB RAMP
- DIAGONAL PERPENDICULAR PUBLIC  
SIDEWALK CURB RAMP
- SINGLE DIAGONAL PERPENDICULAR  
PUBLIC SIDEWALK CURB RAMP

NOTE: USE DIAGONAL PUBLIC SIDEWALK  
CURB RAMP AS THE LAST OPTION AND  
CONSTRUCT TO COMPLY WITH ALL ADA  
SLOPE AND CONSTRUCTION CRITERIA TO  
THE GREATEST EXTENT POSSIBLE.

2. PLACE CURB RAMP TO AVOID EXISTING  
DRAINAGE STRUCTURES AND OTHER  
OBSTRUCTIONS TO THE GREATEST EXTENT  
POSSIBLE.

3. USE THE FLATTEST SLOPES POSSIBLE  
FOR ALL CURB RAMP. MAXIMUM SLOPES  
ARE SHOWN FOR GUIDANCE AT DIFFICULT  
SITES AND SHOULD BE AVOIDED IF POSSIBLE.

4. FINAL FIELD LOCATION OF THE CURB  
RAMP WILL BE DETERMINED BY THE  
ENGINEER.

5. IF R/W DOES NOT PERMIT LANDINGS  
FOR THESE RAMP, USE ANOTHER  
RAMP DESIGN.

6. PEDESTRIAN ACCESS POINTS AT CROSSWALKS  
ARE TO BE WHOLLY CONTAINED WITHIN THE  
CROSSWALK LINES.

7. FOR ADDITIONAL INFORMATION CONSULT:

APPENDIX IV  
AMERICANS WITH DISABILITIES ACT (ADA)  
ACCESSIBILITY GUIDELINES FOR BUILDINGS  
AND FACILITIES  
AUGUST, 1994 EDITION

## CONSTRUCTION REQUIREMENTS:

- OBTAIN A SURFACE TEXTURE ON THE  
RAMP BY COARSE BROOMING, TRANSVERSE  
TO THE RAMP SLOPE.
- TAKE CARE DURING CONSTRUCTION  
TO ASSURE UNIFORM RAMP GRADES, FREE  
OF SAGS AND SHARP GRADE CHANGES.

## DETAILED DRAWING

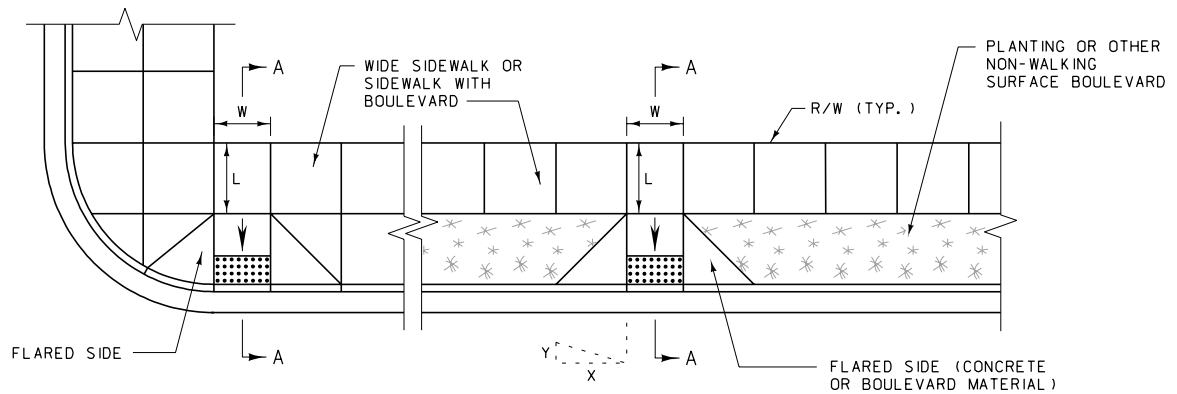
REFERENCE  
STANDARD SPEC.  
SECTION 608

DWG. NO.  
608-20

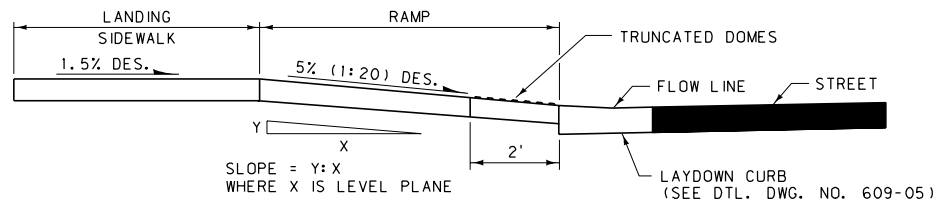
ALTERATIONS TO EXISTING  
FACILITIES - PUBLIC  
SIDEWALK CURB RAMP

EFFECTIVE: FEBRUARY 2005

**MONTANA DEPARTMENT**  
**OF TRANSPORTATION**  
*serving you with pride*



PERPENDICULAR PUBLIC SIDEWALK CURB RAMP



SECTION A-A

#### NEW CONSTRUCTION REQUIREMENTS:

1. THE DESIRABLE WIDTH OF THE CURB RAMP (DIMENSION "W" ABOVE) IS 4 FEET OR WIDER. THE MINIMUM WIDTH ("W") IS 3 FEET.
2. THE DESIRABLE LENGTH OF THE LANDING AT THE TOP OF THE CURB RAMP (DIMENSION "L" ABOVE) IS 5 FEET. THE MINIMUM LENGTH "L" IS 4 FEET. THE LANDING WIDTH IS EQUAL TO THE RAMP WIDTH.
3. THE DESIRABLE SLOPE FOR THE CURB RAMP IS 5% (1:20) OR FLATTER. THE MAXIMUM CURB RAMP SLOPE IS 8.3% (1:12).
4. THE DESIRABLE SLOPE FOR THE FLARED SIDE OF THE CURB RAMP IS 8.3% (1:12) OR FLATTER. THE MAXIMUM FLARED SIDE SLOPE IS 10% (1:10).
5. THE DESIRABLE CROSS SLOPE OF THE SIDEWALK, RAMP, OR LANDING IS 1.5% (1:66.7). THE MAXIMUM CROSS SLOPE OF THE SIDEWALK, RAMP, OR LANDING IS 2% (1:50).
6. PROVIDE TRUNCATED DOMES ON THE BOTTOM 2 FEET OF EACH RAMP AS SHOWN ABOVE. SEE DETAILED DRAWING NUMBER 608-40 FOR TRUNCATED DOMES DETAILS.


#### REQUIREMENTS FOR ALTERATIONS TO EXISTING FACILITIES:

NOTE: WHEREVER POSSIBLE, ALTER EXISTING FACILITIES TO COMPLY WITH THE NEW CONSTRUCTION REQUIREMENTS.

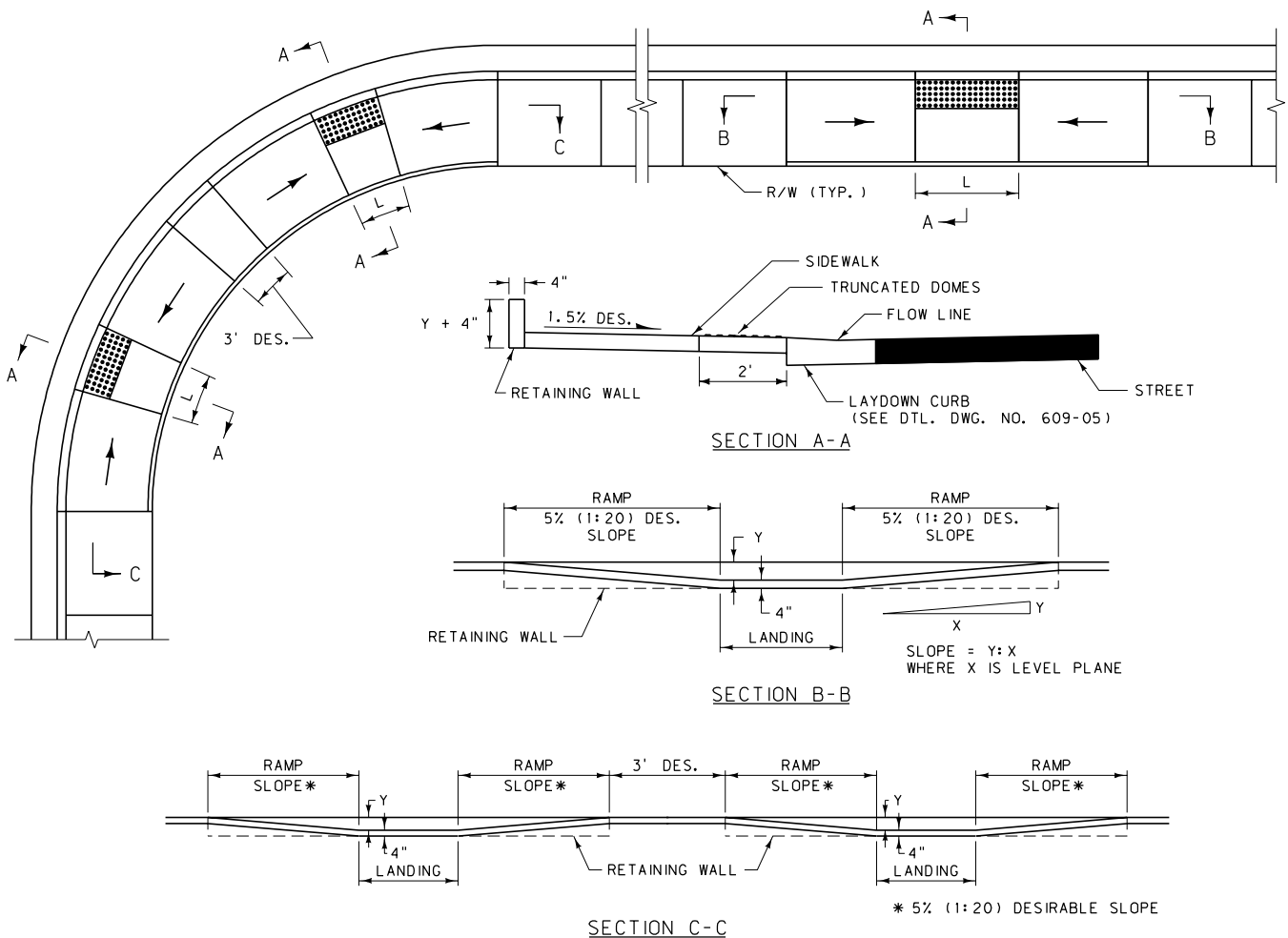
1. THE MINIMUM WIDTH OF THE CURB RAMP (DIMENSION "W" ABOVE) IS 3 FEET.
2. WHERE PUBLIC PEDESTRIAN RIGHT-OF-WAY WIDTH IS INSUFFICIENT TO ACCOMMODATE A TOP LANDING OF 4 FEET, PROVIDE A TOP LANDING OF 3 FEET. THE LANDING WIDTH IS EQUAL TO THE RAMP WIDTH.  
NOTE: IF EXISTING RIGHT-OF-WAY OR OTHER OBSTRUCTIONS REDUCE THE LANDING LENGTH TO LESS THAN 4 FEET, THE MAXIMUM FLARED SIDE SLOPE IS 8.3% (1:12).
3. THE MAXIMUM CURB RAMP SLOPE IS 10% (1:10), PROVIDED THE RISE (DIMENSION "Y" ABOVE) IS 6 INCHES OR LESS. AN 8.3% (1:12) OR FLATTER SLOPE IS DESIRABLE.
4. THE MAXIMUM FLARED SIDE SLOPE IS 10% (1:10).
5. THE DESIRABLE CROSS SLOPE OF THE SIDEWALK, RAMP, OR LANDING IS 1.5% (1:66.7). THE MAXIMUM CROSS SLOPE OF THE SIDEWALK, RAMP, OR LANDING IS 2% (1:50).
6. PROVIDE TRUNCATED DOMES ON THE BOTTOM 2 FEET OF EACH RAMP AS SHOWN ABOVE. SEE DETAILED DRAWING NUMBER 608-40 FOR TRUNCATED DOMES DETAILS.
7. WHERE EXISTING SITE DEVELOPMENT CONDITIONS PROHIBIT THE STRICT AND FULL COMPLIANCE OF ALL ADA CRITERIA, PROVIDE ACCESSIBILITY TO THE MAXIMUM EXTENT FEASIBLE.

#### GENERAL NOTES:

1. WHERE THE PUBLIC PEDESTRIAN RIGHT-OF-WAY WILL NOT ACCOMMODATE A PERPENDICULAR PUBLIC SIDEWALK CURB RAMP AND LANDING MEETING THESE REQUIREMENTS, USE A COMBINED (PARALLEL/PERPENDICULAR) OR PARALLEL PUBLIC SIDEWALK CURB RAMP.
2. COMBINED (PARALLEL/PERPENDICULAR) PUBLIC SIDEWALK CURB RAMPS ARE TO MEET THE CRITERIA FOR BOTH THE PARALLEL AND PERPENDICULAR PUBLIC SIDEWALK CURB RAMPS. (SEE DETAILED DRAWING NUMBER 608-30 AND THIS DRAWING.)

DETAILED DRAWING	
REFERENCE STANDARD SPEC. SECTION 608	DWG. NO. 608-25
PERPENDICULAR PUBLIC SIDEWALK CURB RAMPS	
EFFECTIVE: FEBRUARY 2005	
 MONTANA DEPARTMENT OF TRANSPORTATION	

# PARALLEL PUBLIC SIDEWALK CURB RAMPS



## NEW CONSTRUCTION REQUIREMENTS:

1. THE MINIMUM LENGTH OF THE LANDING (DIMENSION "L" ABOVE) IS 5 FEET.
2. THE DESIRABLE SLOPE FOR THE CURB RAMPS IS 5% (1:20) OR FLATTER. THE MAXIMUM CURB RAMP SLOPE IS 8.3% (1:12).
3. THE DESIRABLE CROSS SLOPE OF THE SIDEWALK, RAMP, OR LANDING IS 1.5% (1:66.7). THE MAXIMUM CROSS SLOPE OF THE SIDEWALK, RAMP, OR LANDING IS 2% (1:50).
4. PROVIDE TRUNCATED DOMES ON THE BOTTOM 2 FEET OF EACH LANDING AS SHOWN ABOVE. SEE DETAIL DRAWING NUMBER 608-40 FOR TRUNCATED DOMES DETAILS.


## REQUIREMENTS FOR ALTERATIONS TO EXISTING FACILITIES:

NOTE: WHEREVER POSSIBLE, ALTER EXISTING FACILITIES TO COMPLY WITH THE NEW CONSTRUCTION REQUIREMENTS.

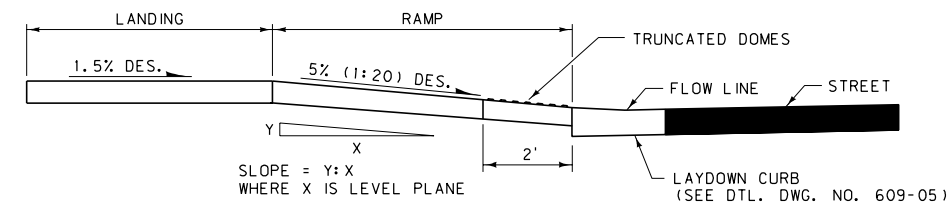
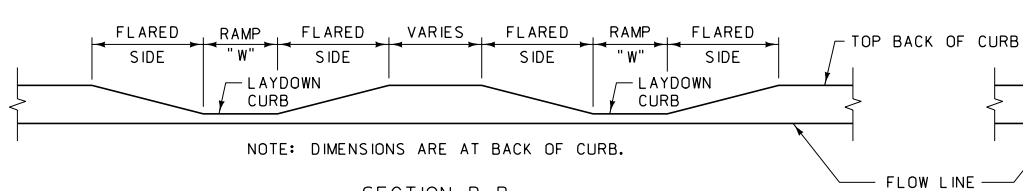
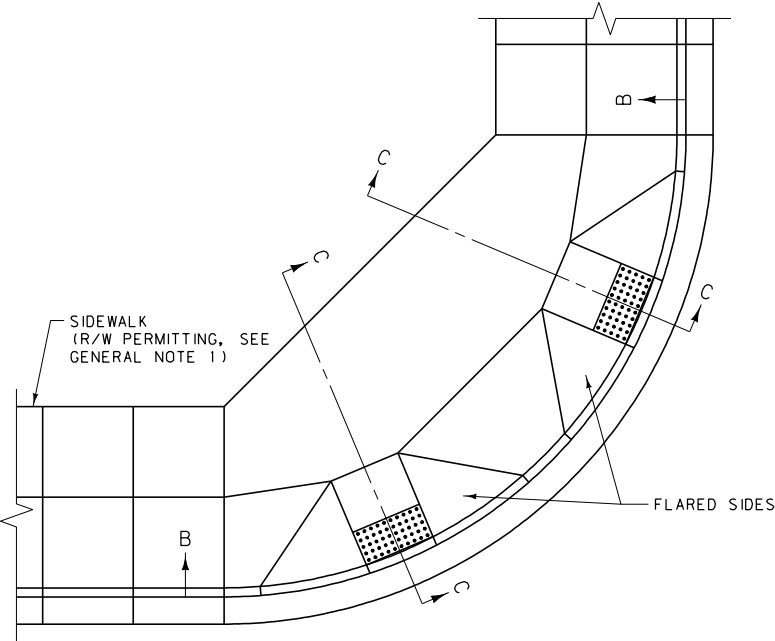
1. THE DESIRABLE LENGTH OF THE LANDING (DIMENSION "L" ABOVE) IS 5 FEET. THE MINIMUM LANDING LENGTH IS 4 FEET.
2. THE MAXIMUM CURB RAMP SLOPE IS 10% (1:10), PROVIDED THE RISE (DIMENSION "Y" ABOVE) IS 6 INCHES OR LESS. AN 8.3% (1:12) OR FLATTER SLOPE IS DESIRABLE.
3. THE DESIRABLE CROSS SLOPE OF THE SIDEWALK, RAMP, OR LANDING IS 1.5% (1:66.7). THE MAXIMUM CROSS SLOPE OF THE SIDEWALK, RAMP, OR LANDING IS 2% (1:50).
4. PROVIDE TRUNCATED DOMES ON THE BOTTOM 2 FEET OF EACH LANDING AS SHOWN ABOVE. SEE DETAILED DRAWING NUMBER 608-40 FOR TRUNCATED DOMES DETAILS.
5. WHERE EXISTING SITE DEVELOPMENT CONDITIONS PROHIBIT THE STRICT AND FULL COMPLIANCE OF ALL ADA CRITERIA, PROVIDE ACCESSIBILITY TO THE MAXIMUM EXTENT FEASIBLE.

## GENERAL NOTES:

1. THE COST OF THE RETAINING WALL IS INCLUDED IN THE UNIT PRICE BID FOR CONCRETE SIDEWALK.
2. COMBINED (PARALLEL/PERPENDICULAR) PUBLIC SIDEWALK CURB RAMPS ARE TO MEET THE CRITERIA FOR BOTH THE PARALLEL AND PERPENDICULAR PUBLIC SIDEWALK CURB RAMPS. (SEE DETAILED DRAWING NUMBER 608-25 AND THIS DRAWING.)

DETAILED DRAWING	
REFERENCE STANDARD SPEC. SECTION 608	DWG. NO. 608-30
PARALLEL PUBLIC SIDEWALK CURB RAMPS	
EFFECTIVE: FEBRUARY 2005	
 MONTANA DEPARTMENT OF TRANSPORTATION	

DIAGONAL PERPENDICULAR PUBLIC SIDEWALK CURB RAMP



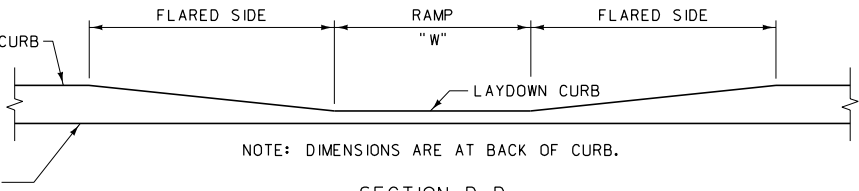
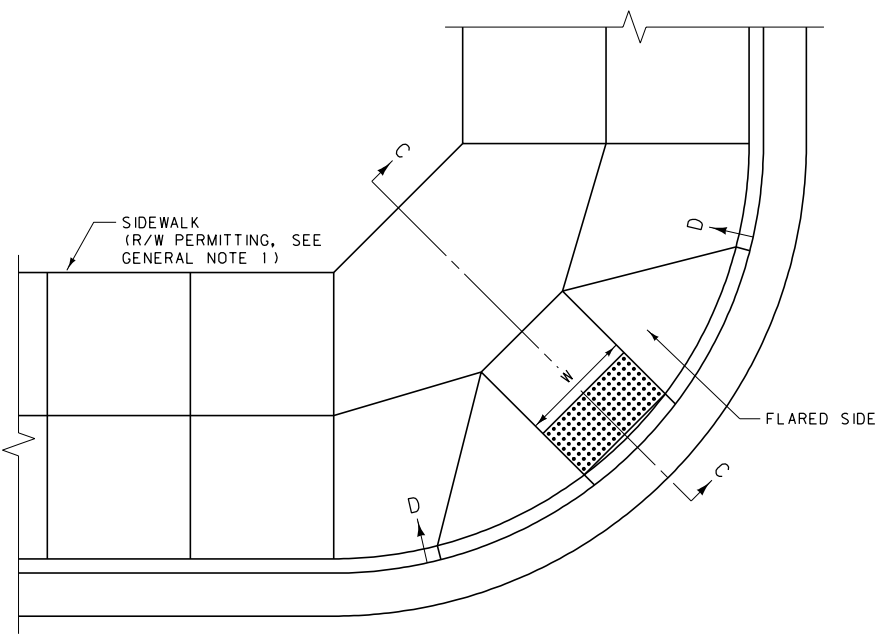
SECTION C-C

NEW CONSTRUCTION REQUIREMENTS:

1. THE DESIRABLE WIDTH OF THE CURB RAMP (DIMENSION "W" ABOVE) IS 4 FEET OR WIDER. THE MINIMUM WIDTH ("W") IS 3 FEET.
2. THE DESIRABLE LENGTH OF THE LANDING AT THE TOP OF THE CURB RAMP (DIMENSION "L" ABOVE) IS 5 FEET. THE MINIMUM LENGTH "L" IS 4 FEET. THE LANDING WIDTH IS EQUAL TO THE RAMP WIDTH.
3. THE DESIRABLE SLOPE FOR THE CURB RAMP IS 5% (1:20) OR FLATTER. THE MAXIMUM CURB RAMP SLOPE IS 8.3% (1:12).
4. THE DESIRABLE SLOPE FOR THE FLARED SIDE OF THE CURB RAMP IS 8.3% (1:12) OR FLATTER. THE MAXIMUM FLARED SIDE SLOPE IS 10% (1:10).
5. THE DESIRABLE CROSS SLOPE OF THE SIDEWALK, RAMP, OR LANDING IS 1.5% (1:66.7). THE MAXIMUM CROSS SLOPE OF THE SIDEWALK, RAMP, OF LANDING IS 2% (1:50).
6. PROVIDE TRUNCATED DOMES ON THE BOTTOM 2 FEET OF EACH RAMP AS SHOWN ABOVE. SEE DETAILED DRAWING NUMBER 608-40 FOR TRUNCATED DOMES DETAILS.

SINGLE DIAGONAL PERPENDICULAR PUBLIC SIDEWALK CURB RAMP

NOTE: SINGLE DIAGONAL PERPENDICULAR PUBLIC SIDEWALK CURB RAMPS SERVING TWO STREET CROSSING DIRECTIONS ARE NOT PERMITTED IN NEW CONSTRUCTION.



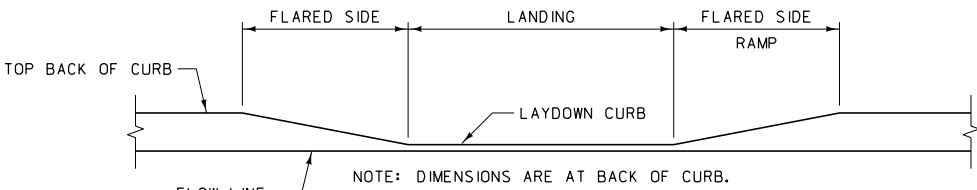
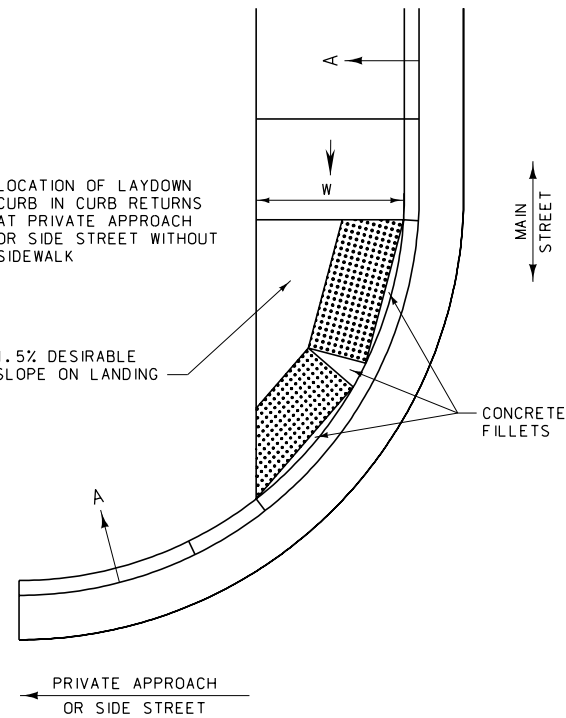
SECTION D-D

REQUIREMENTS FOR ALTERATIONS TO EXISTING FACILITIES:

NOTE: WHEREVER POSSIBLE, ALTER EXISTING FACILITIES TO COMPLY WITH THE NEW CONSTRUCTION REQUIREMENTS.

1. THE MINIMUM WIDTH OF THE CURB RAMP (DIMENSION "W" ABOVE) IS 3 FEET.
2. WHERE PUBLIC PEDESTRIAN RIGHT-OF-WAY WIDTH IS INSUFFICIENT TO ACCOMMODATE A TOP LANDING OF 4 FEET, PROVIDE A TOP LANDING OF 3 FEET. THE LANDING WIDTH IS EQUAL TO THE RAMP WIDTH.  
NOTE: IF EXISTING RIGHT-OF-WAY OR OTHER OBSTRUCTIONS REDUCE THE LANDING LENGTH TO LESS THAN 4 FEET, THE MAXIMUM FLARED SIDE SLOPE IS 8.3% (1:12).
3. THE MAXIMUM CURB RAMP SLOPE IS 10% (1:10), PROVIDED THE RISE (DIMENSION "Y" ABOVE) IS 6 INCHES OR LESS. AN 8.3% (1:12) OR FLATTER SLOPE IS DESIRABLE.
4. THE MAXIMUM FLARED SIDE SLOPE IS 10% (1:10).
5. THE DESIRABLE CROSS SLOPE OF THE SIDEWALK, RAMP, OR LANDING IS 1.5% (1:66.7). THE MAXIMUM CROSS SLOPE OF THE SIDEWALK, RAMP, OR LANDING IS 2% (1:50).
6. PROVIDE TRUNCATED DOMES ON THE BOTTOM 2 FEET OF EACH RAMP AS SHOWN ABOVE. SEE DETAILED DRAWING NUMBER 608-40 FOR TRUNCATED DOMES DETAILS.
7. WHERE EXISTING SITE DEVELOPMENT CONDITIONS PROHIBIT THE STRICT AND FULL COMPLIANCE OF ALL ADA CRITERIA, PROVIDE ACCESSIBILITY TO THE MAXIMUM EXTENT FEASIBLE.


PRIVATE APPROACH SIDEWALK CURB RAMP



SECTION A-A

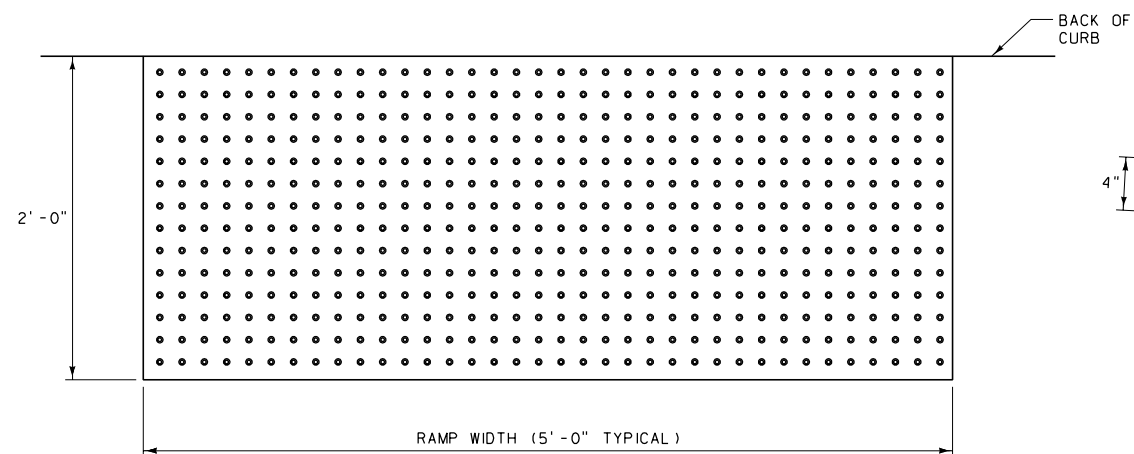
GENERAL NOTES:

1. WHERE THE PUBLIC PEDESTRIAN RIGHT-OF-WAY WILL NOT ACCOMMODATE A DIAGONAL PERPENDICULAR PUBLIC SIDEWALK CURB RAMP AND LANDING MEETING THESE REQUIREMENTS, USE ANOTHER RAMP DESIGN.
2. TRIM PRECAST TRUNCATED DOME PANELS TO FIT ON PRIVATE APPROACH SIDEWALK CURB RAMPS AS SHOWN ABOVE.

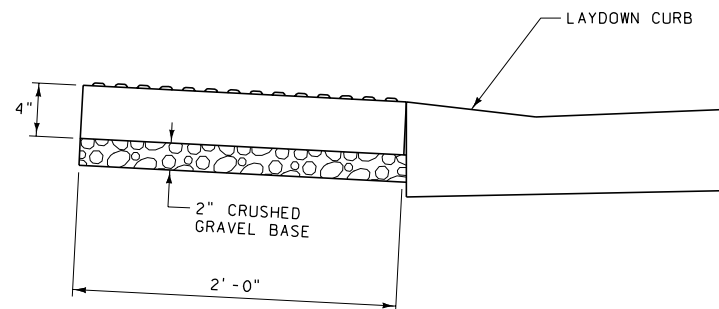
DETAILED DRAWING	
REFERENCE STANDARD SPEC. SECTION 608	DWG. NO. 608-35
DIAGONAL PERPENDICULAR PUBLIC SIDEWALK CURB RAMPS	
EFFECTIVE: FEBRUARY 2005	
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# PRECAST CONCRETE TRUNCATED DOMES PANEL

(REBAR OMITTED FOR CLARITY)

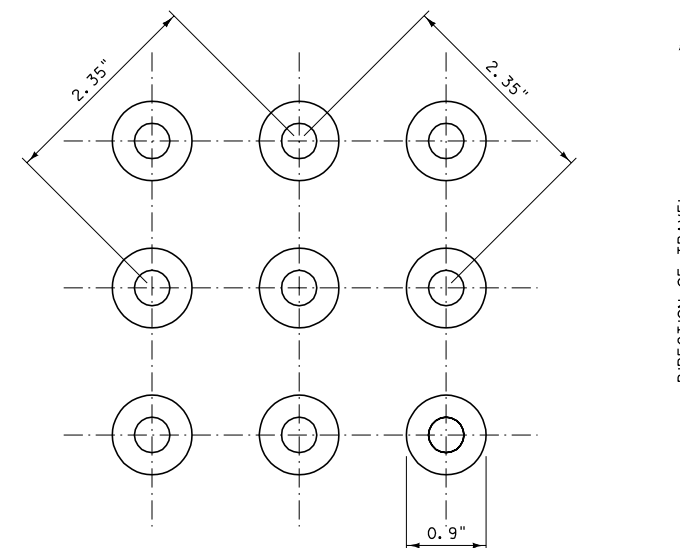


PLAN VIEW



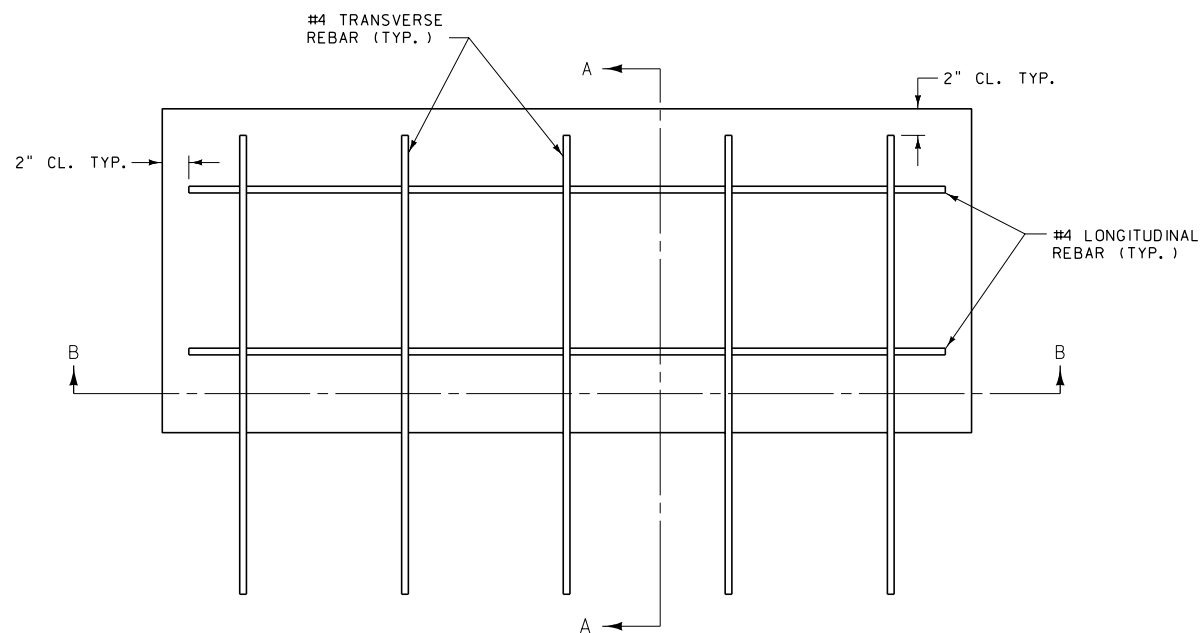
SIDE VIEW

## TRUNCATED DOMES ALIGNMENT AND PATTERN

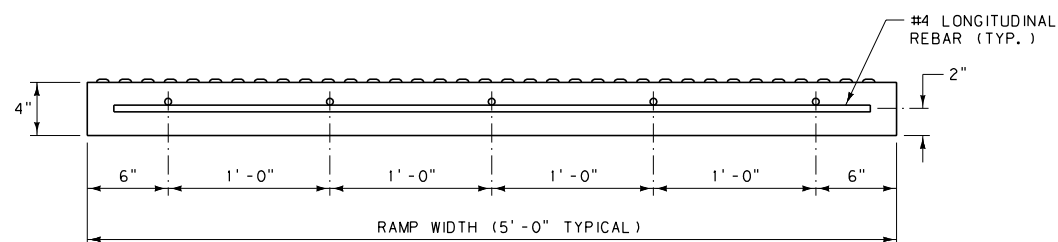


SQUARE PATTERN  
PARALLEL ALIGNMENT

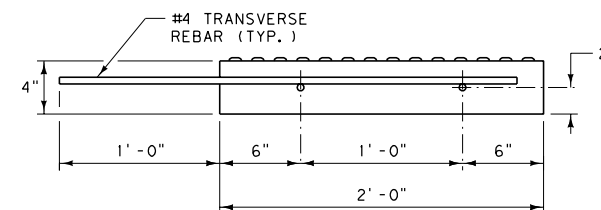
## REBAR PLACEMENT DETAIL



PLAN VIEW

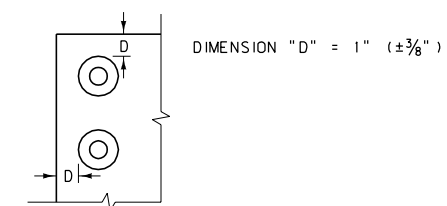


SECTION B-B

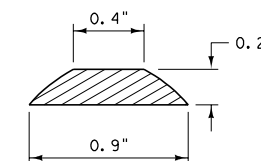


SECTION A-A

## TRUNCATED DOMES PLACEMENT AT EDGE OF PANEL




## DOMES PROFILE



## CONSTRUCTION REQUIREMENTS:

1. USE CLASS "A" OR "D" CONCRETE WITH A BRICK RED DYE COLOR.
2. PRECAST PANELS AND ASSURE ADEQUATE STRENGTH PRIOR TO PLACEMENT. PLACE PANELS PRIOR TO ADJACENT SIDEWALK AND RAMP CONSTRUCTION.
3. PROVIDE TRUNCATED DOMES FREE OF AIR BUBBLES, VOIDS, AND COARSE AGGREGATE.
4. ROUND PANEL EDGES WITH STANDARD EDGING TOOL TO MATCH ADJACENT JOINT EDGING.
5. TOOL ADJACENT CONCRETE TO ALLEVIATE POSSIBLE CORNER CRACKING.
6. ENSURE A UNIFORM GRADE ON THE RAMP, FREE OF SAGS AND SHORT GRADE CHANGES.
7. ENSURE THE SURFACE OF THE PRECAST PANEL IS CLEAN AND MAINTAINS A UNIFORM BRICK RED COLOR AFTER PLACEMENT OF THE RAMP CONCRETE.

DETAILED DRAWING	
REFERENCE STANDARD SPEC. SECTION 608	DWG. NO. 608-40
TRUNCATED DOMES	
EFFECTIVE: FEBRUARY 2005	
 serving you with pride	MONTANA DEPARTMENT OF TRANSPORTATION